

9 18 27 36 45 54
 5' NGA ACT CTA ATA CGA GCA C^TA TAG GGA AAG CTG GTA GCC TGC AGG TAC CGG TCC

63 72 81 90 99 108
 GGA ATT CCC GGG TCG ACC CAC GCG TCC GCC GTG CCC TTG GGG CTC CGT GTC CTG

117 126 135 144 153 162
 CTG TCT TTC CGT CCG CTG CCT AGT CTG CAT CTG AGT AAC ATG GCG GCG GCG GCG
 M A A A A A

171 180 189 198 207 216
 GTA GCC AGG CTG TGG TGG CGC GGG ATC TTG GGG GCC TCG GCG CTG ACC AGG GGG
 V A R L W W R G I L G A S A L T R G

225 234 243 252 261 270
 ACT GGG CGA CCC TCC GTT CTG TTG CTG CCG GTG AGG CGG GAG AGC GCC GGG GCC
 T G R P S V L L P V R R E S A G A

279 288 297 306 315 324
 GAC ACG CGC CCC ACT GTC AGA CCA CGG AAT GAT GTG GCC CAC AAG CAG CTC TCA
 D T R P T V R P R N D V A H K Q L S

333 342 351 360 369 378
 GCT TTT GGA GAG TAT GTG GCT GAA ATC TTG CCC AAG TAT GTC CAA CAA GTT CAG
 A F G E Y V A E I L P K Y V Q Q V Q

387 396 405 414 423 432
 GTG TCC TGC TTC AAT GAG TTA GAG GTC TGT ATC CAT CCT GAT GGC GTC ATC CCA
 V S C F N E L E V C I H P D G V I P

441 450 459 468 477 486
 GTG CTG ACT TTC CTC AGG GAT CAC ACC AAT GCA CAG TTC AAA TCT CTG GTT GAC
 V L T F L R D H T N A Q F K S L V D

495 504 513 522 531 540
 TTG ACA GCA GTG GAC GTC C^A ACT CGG CAA AAC CGT TTT GAG ATT GTC TAC AAC
 L T A V D V F T R Q N R F E I V Y N

549 558 567 576 585 594
 CTG TTG TCT CTG CGC TTC A^G TCA CGG ATC C^GT GTG AAG ACC TAC ACA GAT GAG
 L L S L R F S R I R V K T Y T D E

FIGURE 1A

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

603	612	621	630	639	648
CTG ACG CCC ATT GAG TCT GCT GTC	TCT GTG TTC AAG GCA GCC AAC TGG TAT GAA				
L T P I E S A V S V F K A A N W Y E					
657	666	675	684	693	702
AGG GAG ATC TGG GAC ATG TTT GGA GTC TTC TTT GCT AAC CAC CCT GAT CTA AGA					
R E I W D M F G V F F A N H P D L R					
711	720	729	738	747	756
AGG ATC CTG ACA GAT TAT GGC TTC GAG GGA CAT CCT TTC CGG AAA GAC TTT CCT					
R I L T D Y G F E G H P F R K D F P					
765	774	783	792	801	810
CTA TCT GGC TAT GTT GAG TTA CGT TAT GAT GAT GAA GTG AAG CGT GTG GTG GCA					
L S G Y V E L R Y D D E V K R V V A					
819	828	837	846	855	864
GAG CCG GTG GAG TTG GCC CAA GAG TTC CGC AAA TTT GAC CTG AAC AGC CCC TGG					
E P V E L A Q E F R K F D L N S P W					
873	882	891	900	909	918
GAG GCT TTC CCA GTC TAT CGC CAA CCC CCG GAG AGT CTC AAG CTT GAA GCC GGA					
E A F P V Y R Q P P E S L K L E A G					
927	936	945	954	963	972
GAC AAG AAG CCT GAT GCC AAG TAG CTC CAG GGA ACG CAT GTG GAT CCT AGA CAG					
D K K P D A K					
981	990	999	1008	1017	
CGC CTT ATC TAT GAT TGA GTG TCC GTG TAA ATA AAT TCC TAC TTA GAC TTA C 3					

FIGURE 1B

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS SUBCLASS
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9	18	27	36	45	54		
5' NCC AAG ATG TCG TTC CCA AAG TAT AAG CCG TCG AGC CTG CGC ACT CTG CCT GAG	M S F P K Y K P S S L R T L P E						
63 ACC CTC GAC CCA GCC GAA TAC AAC ATA TCT CCG GAA ACC CGG CGG GCG CAA GCG	T L D P A E Y N I S P E T R R A Q A	72	81	90	99	108	
GAG CGG TTG GCC ATA AGA GCC CAG CTG AAA CGA GAG TAC CTG CTT CAG TAC AAC	E R L A I R A Q L K R E Y L L Q Y N	117	126	135	144	153	162
GAT CCC AAC CGC CGA GGG CTC ATC GAA AAT CCT GCC TTG CTT CGT TGG GCC TAT	D P N R R G L I E N P A L L R W A Y	171	180	189	198	207	216
GCA AGA ACA ATA AAT GTC TAT CCT AAT TTC AGA CCC ACT CCT AAA AAC TCA CTC	A R T I N V Y P N F R P T P K N S L	225	234	243	252	261	270
ATG GGA GCT CTG TGT GGA TTT GGG CCC CTC ATC TTC ATT TAT TAT ATT ATC AAA	M G A L C G F G P L I F I Y Y I I K	279	288	297	306	315	324
ACT GAG AGG GAT AGG AAA GAA AAA CTT ATC CAG GAA GGA AAA TTG GAT CGA ACA	T E R D R K E K L I Q E G K L D R T	333	342	351	360	369	378
TTT CAC CTC TCA TAT TAA GTC TGG CAA TGA TGA CTA TAT GTA TTC CTG CCT AAA	F H L S Y	387	396	405	414	423	432
TAA ATC ATC TAT TAA TCA TT 3'							
441 450							

FIGURE 2

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

9 18 27 36 45 54

5' NNA GCT AGT CGT TCT GAA GCG GCG GCC AGA GAA GAG TCA AGG GCA CGA GCA TCG

63 72 81 90 99 108

GCC ATG CCT TTC TTG GAC ATC CAG AAA AGG TTC GGC CTT AAC ATA GAT CGA TGG
M P F L D I Q K R F G L N I D R W

117 126 135 144 153 162

TTG ACA ATC CAG AGT GGT GAA CAG CCC TAC AAG ATG GCT GGT CGA TGC CAT GCT
L T I Q S G E Q P Y K M A G R C H A

171 180 189 198 207 216

TTT GAA AAA GAA TGG ATA GAA TGT GCA CAT GGA ATC GGT TAT ACT CGG GCA GAG
F E K E W I E C A H G I G Y T R A E

225 234 243 252 261 270

AAA GAG TGC AAG ATA GAA TAT GAT GAT TTC GTA GAG TGT TTG CTT CGG CAG AAA
K E C K I E Y D D F V E C L L R Q K

279 288 297 306 315 324

ACG ATG AGA CGT GCA GGT ACC ATC AGG AAG CAG CGG GAT AAG CTG ATA AAG GAA
T M R R A G T I R K Q R D K L I K E

333 342 351 360 369 378

GGA AAG TAC ACC CCT CCA CCT CAC CAC ATT GGC AAG GGG GAG CCT CGG CCC TGA
G K Y T P P H H I G K G E P R P

387 396 405 414 423 432

ACA GAG CAG CTG CTG ATG TCT GGA GGC TGA TTT TCC TGT TCT CTG TTC TCC ACT

441 450 459 468

GGA AAG GTT GTT TAC GAC AAA CCT CCT TGT CAA AGT GTG T 3'

FIGURE 3

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS SUBCLASS
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9 18 27 36 45 54

5' CGC AGA GGA GGA GAA AGC TGA CCG CTT AGG CCC GGG TAG TGG TCG TCG TGG

63 72 81 90 99 108

TTT TCC TTG TAG TTC GTG GTC TGA GAC CAG GCC TCA AGT GGA AAC AAC GGC GTC ACC

117 126 135 144 153 162

ATG ATC GCA CGG CGG AAC CCA GAA CCC TTA CGG TTT CTG CCG GAT GAG GCC CGG

M I A R R N P E P L R F L P D E A R

171 180 189 198 207 216

AGC CTG CCC CCG CCC AAG CTG ACC GAC CCG CGG CTC CTC TAC ATC GGC TTC TTG

S L P P K L T D P R L L Y I G F L

225 234 243 252 261 270

GGC TAC TGC TCC GGC CTG ATT GAT AAC CTG ATC CGG CGG AGG CCG ATC GCG ACG

G Y C S G L I D N L I R R R P I A T

279 288 297 306 315 324

GCT GGT TTG CAT CGC CAG NTT NTA TAT ATT ACG GCC TTT TTT TTT GCT GGA TAT

A G L H R Q X X Y I T A F F F A G Y

333 342 351 360 369 378

TAT NTT GTA AAA CGT GAA GAC TAC CTG TAT GCT GTG AGG GAC CGT GAA ATG TTT

Y X V K R E D Y L Y A V R D R E M F

387 396 405 414 423 432

GGA TAT ATG AAA TTA CAT CCA GAG GAT TTT CCT GAA GAA GAT AAG AAA ACA TAT

G Y M K L H P E D F P E E D K K T Y

441 450 459 468 477 486

GGT GAA ATT TTT GAA AAA TTC CAT CCA ATA CGT TGA AGT CTT CAA AAT GCT TGC

G E I F E K F H P I R

495 504 513 522 531 540

TCC AGT TTC ACT GAT ACC TGC TGT TTC TGA ATT TGA TGG AAC ATG TTT CTT ATG

549 558 567 576

ACA GTT GAA GCT TAT GCT AAT CTG TAT GTT GAC ACC 3'

FIGURE 4

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

1 M A A A V A V A R L W - - W R G I L G A S A L T R G T G R P S V L L L P V R R E S NDS-1
 1 M A A A V A A A A P G C W Q R L V G S A A P A R V A G R P S V L L L P V R R E S g163416

39 A G A D T R P T V R P R N D V A H K Q L S A F G E Y V A E I L P K Y V Q Q V Q V NDS-1
 41 S A A D T R P T V R P R N D V A H K Q L S A F G E Y V A E I L P K Y V Q Q V Q V NDS-1
 79 S C F N E L E V C I H P D G V I P V L T F L R D H T N A Q F K S L V D L T A V D NDS-1
 81 S C F N E L E I C I H P D G V I P V L T F L R D H S N A Q F K S L A D L T A V D NDS-1
 119 V P T R Q N R F E I V Y N L L S L R F N S R I R V K T Y T D E L T P I E S A V S NDS-1
 121 I P T R Q N R F E I V Y N L L S L R F N S R I R V K T Y T D E L T P I E S S V P g163416

159 V F K A A N W Y E R E I W D M F G V F F A N H P D L R R I L T D Y G F E G H P F NDS-1
 161 V Y K A A N W Y E R E I W D M F G V F F A N H P D L R R I L T D Y G F E G H P F g163416

199 R K D F P L S G Y V E L R Y D D E V K R V V A E P V E L A Q E F R K F D L N S P NDS-1
 201 R K D F P L S G Y V E L R Y D D E V K R V V A E P V E L A Q E F R K F D L N S P g163416

239 W E A F P V Y R Q P P E S L K L E A G D K K P D A K NDS-1
 241 W E A F P A Y R Q P P E S L K L E A G D T K P E A K g163416

FIGURE 5

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

1 M S F P K Y K P S S L R T L P E T L D P A E Y N I S P E T R R A Q A E R L A I R NDS-2
 1 M S F P K Y E A S R L S S L P T T L D P A E Y D I S S E T R K A Q A E R L A I R g114

 41 A Q L K R E Y L L Q Y N D P N R R G L I E N P A L L R W A Y A R T I N V Y P N F NDS-2
 41 S R L K R E Y Q L Q Y D P S R R G V I E D P A L V R W T Y A R S A N T Y P N F g114

 81 R P T P K N S S L M G A L C G F G P L I F I Y Y I I K T E R D R K E K L I Q E G K NDS-2
 81 R P N T K T S L L G A L F G I G P L V F W Y Y V F K T D R D R K E K L I Q E G K g114

 121 L D R T F H L S Y
 121 L D R T F N T S Y

FIGURE 6

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS	SUBCLASS
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1 M P F L D I Q K R F G L N I D R W L T I Q S G E Q P Y K M A G R C H A F E K E W NDS-3
 1 M P F F D V Q K R L G V D L D R W M T I Q S A E O P H K I P S R C H A F E K E W g224

 41 I E C A H G I G Y T R A E K E C K I E Y D D F V E C L L R Q K T M R R A G T I R NDS-3
 41 I E C A H G I G S I R A E K E C K I E F E D F R E C C L L R Q K T M K R L H A I R g224

 81 K Q R D K L I K E G K Y T P P P H H I G K G E P R P
 81 R Q R E K L I K E G K Y T P P P H H S G Q E E P R S

FIGURE 7

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

1 MIA - R N P E P L R F L P D E A R S L P P K L T D P R L Y I G F L G Y C NDS-4
 1 M M T G R Q G R A T F O F L P D E A R S L P P K L T D P R L A F V G F L G Y C 9582

 40 S G L I D N L I R R P I A T A G L H R Q X X Y I T A F F A G Y Y X V K R E D NDS-4
 41 S G L I D N A I R R P V L L A G L H R Q I T S F V F V G Y Y L K R Q D 9582

 80 Y L Y A V R D R E M F G Y M K L H P E D F P E E D K K T Y G E I F E K F H P I R NDS-4
 81 Y M Y A V R D H D M F S Y I K S H P E D F P E K D K K T Y G E V F E E F H P V R 9582

FIGURE 8

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

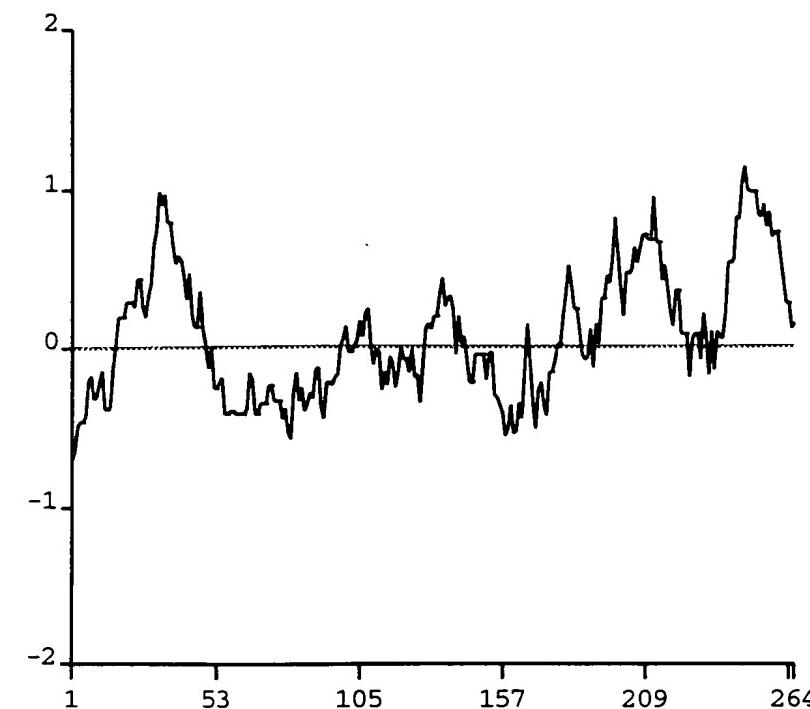


FIGURE 9A

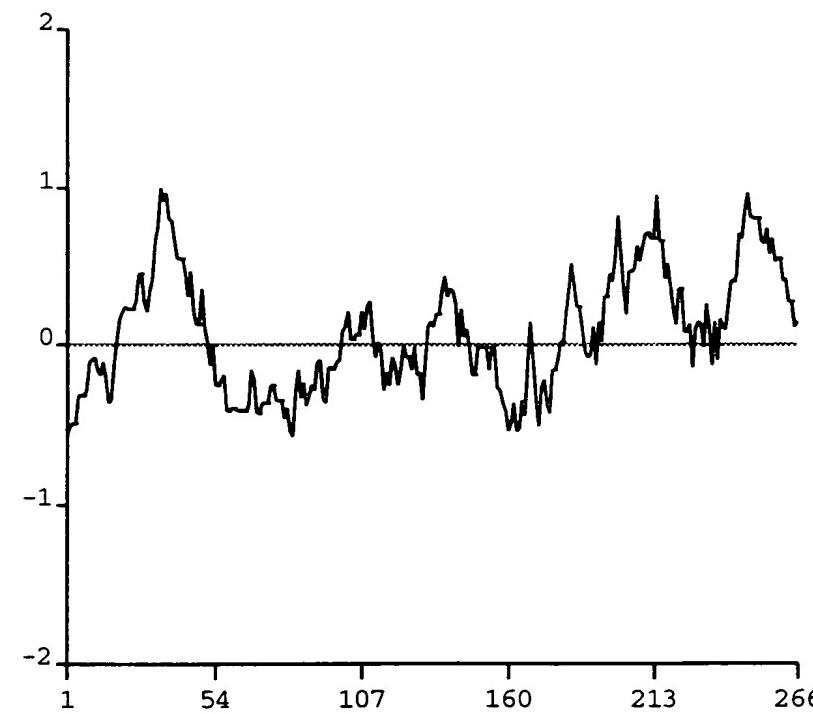


FIGURE 9B

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

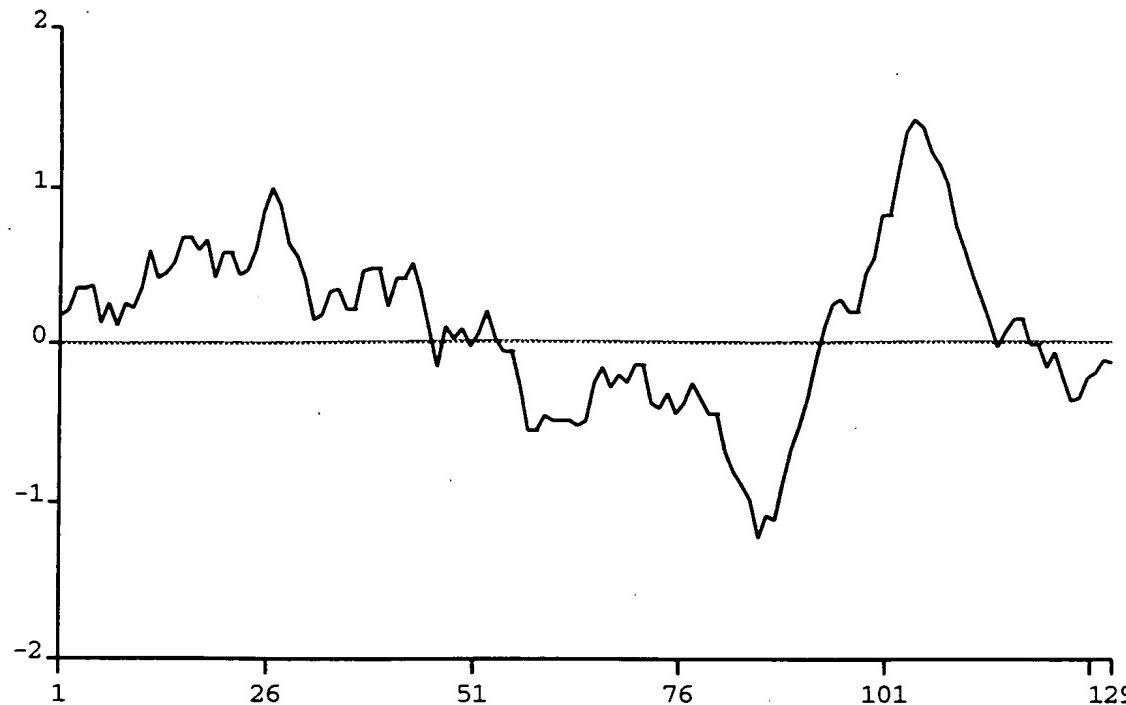


FIGURE 10A

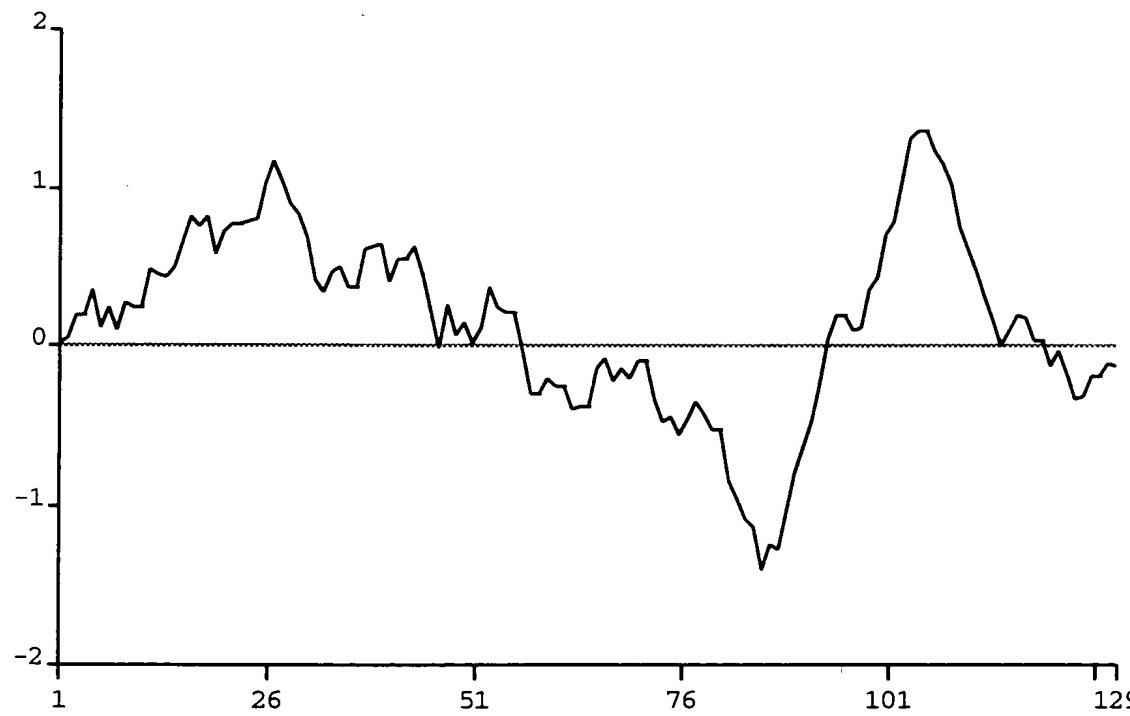


FIGURE 10B

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

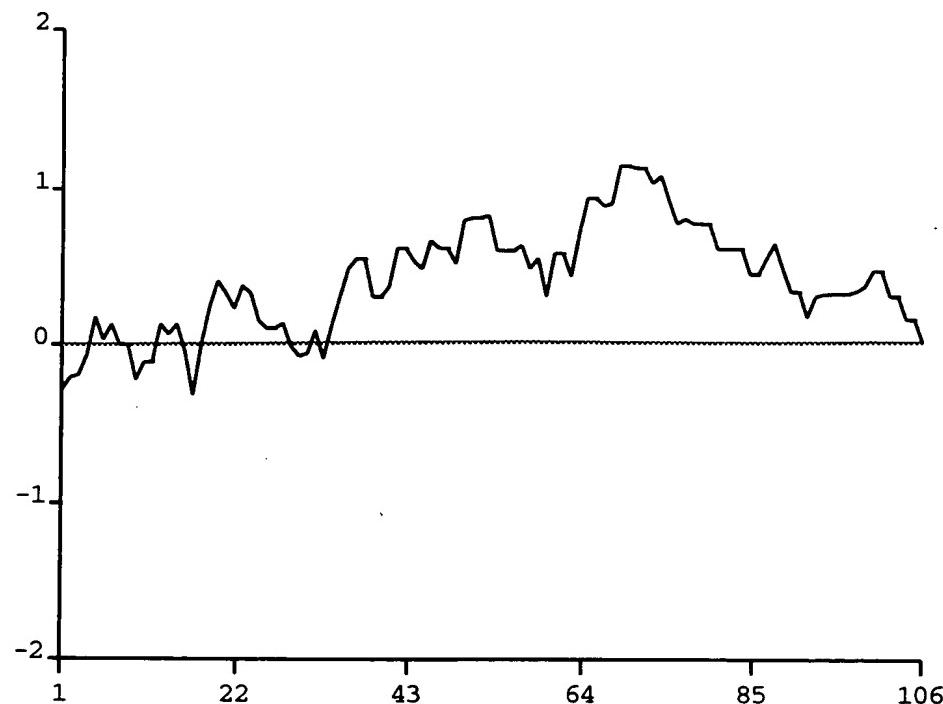


FIGURE 11A

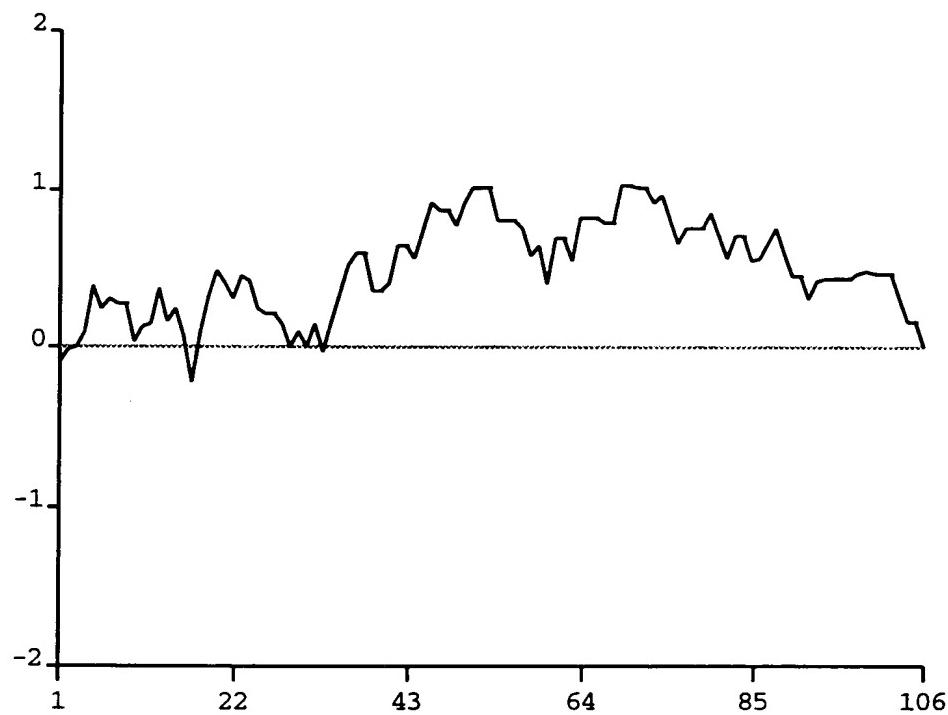


FIGURE 11B

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

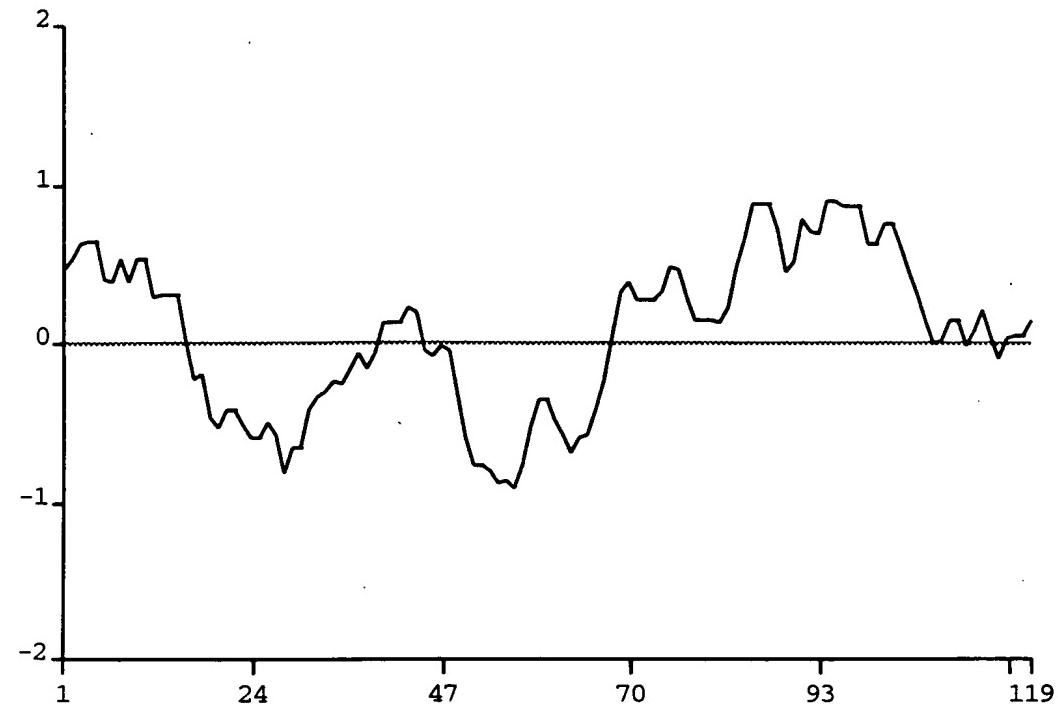


FIGURE 12A

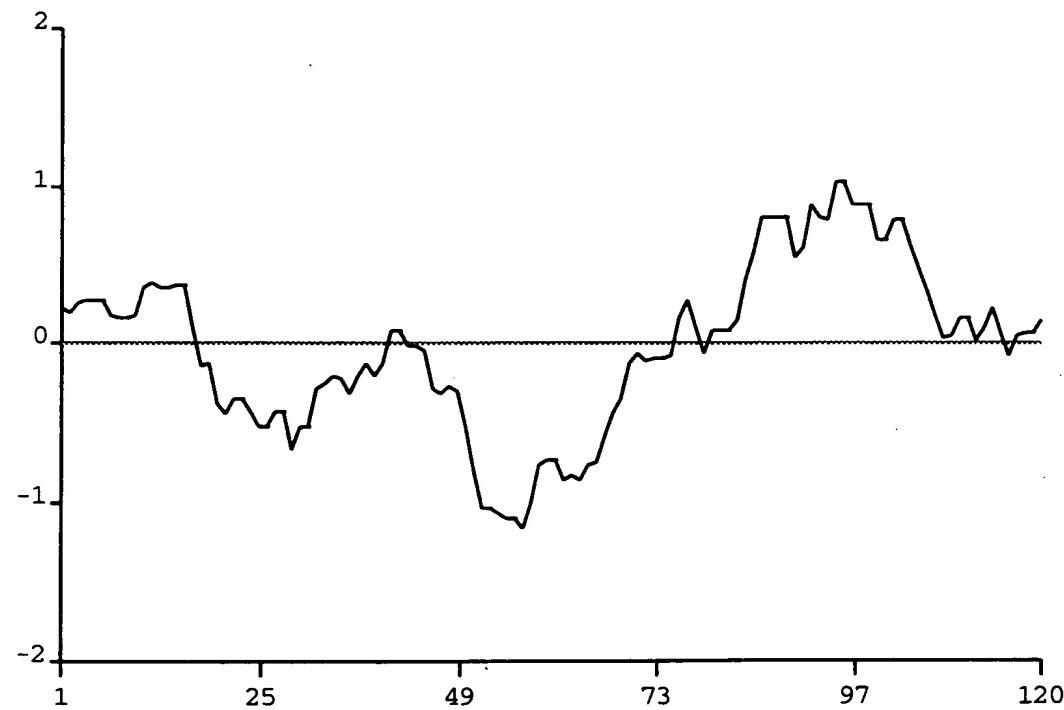


FIGURE 12B